FIM53 — PYTHON PROGRAMMING

Time : Three hours   Maximum : 75 marks

SECTION A — (10 × 2 = 20 marks)

Answer ALL questions.

1. Write any three features of Python.

2. Summarize the term operator.

3. Define function.

4. What is exception handling?

5. Define class.

6. Write short note on object.

7. What is file objects?

8. Summarize the term built-in function.

9. Write short note on web surfing.

10. Write any three two related modules.

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SECTION B — (5 × 5 = 25 marks)

Answer ALL questions.

11. (a) Categorize the various types of operators.

Or

(b) Explain the variables and assignment with example.

12. (a) Illustrate about the while statement.

Or

(b) Write short note on variable length arguments.

13. (a) Explain the instance attributes.

Or

(b) Write and explain the built-in functions for classes and instances.

14. (a) Explain in detail about the File Built-in Attributes.

Or

(b) Write short note on Command Line Arguments.

15. (a) Explain the Python Database Application Programmer's Interface (DB-API) with examples.

Or

(b) Elucidate the Common Gateway Interface (CGI).

SECTION C — (3 × 10 = 30 marks)

Answer any THREE questions.

16. Express your view on the overview of programming in Python.

17. Analyze the steps involved in detecting and handling exceptions.

18. Discuss briefly about the binding and method invocation.

19. Summarize the term file built-in methods.

20. Develop an activity for building CGI applications.